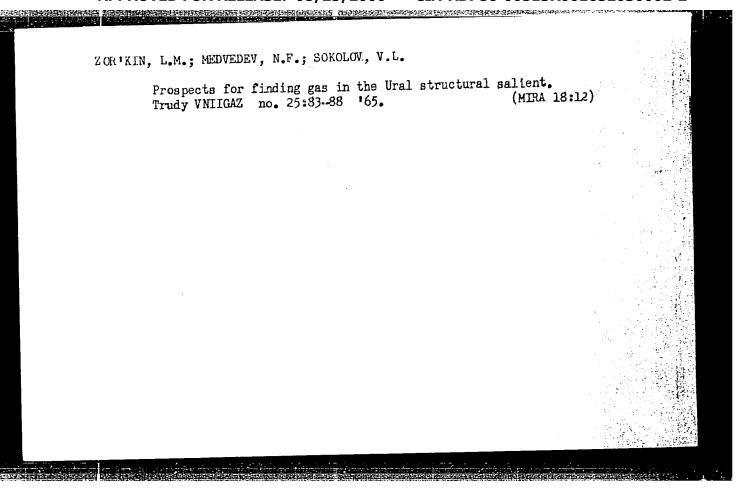
SOKOLOV, V.L.; BUSH, E.A.; KRICHEVSKIY, G.N.; MEDVEDEV, N.F.; POLYAKOVA, Ye.G.

Structure of the subsalt Paleozoic in the Caspian Lowland. Dokl. AN SSSR 162 no.6:1370-1373 Je '65. (MIRA 18:7)

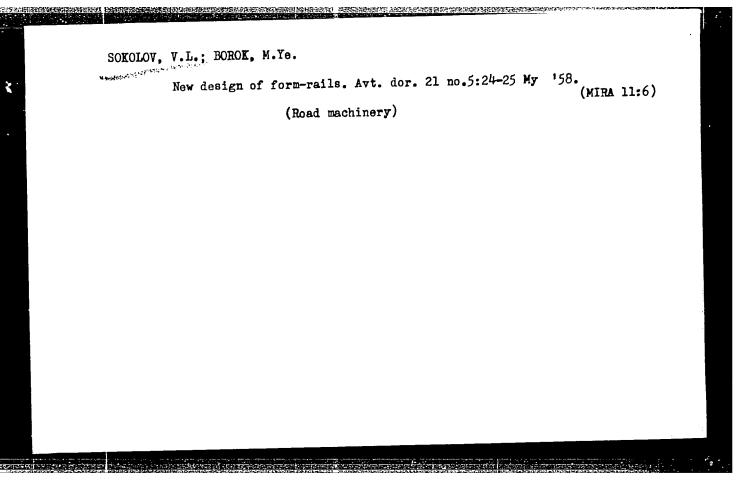
1. Vse soyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza. Submitted April 3, 1964.

SOKOLOV, V.L.; CHAYKOVSKAYA, E.V.

Distribution and characteristics of oil and gas manifestation in the western part of the Caspian Lowland. Trudy VNIIGAZ no. 25:3-14 '65. (MIRA 18:12)



EWT(m)/EWP(t)/ETI IJP(c) L 27327-66 SOURCE CODE: UR/0058/65/000/011/D026/D026 ACC NR. AR6016194 AUTHOR: Osipov, O. A.; Semenova, I. M.; Kogan, V. A.; Minkin, M. I.; Sokolov, V. L. TITLE: Infrared spectra of gallium, indium, titanium, and tin chlorides with some organic ligands SOURCE: Ref. zh. Fizika, Abs. 11D203 Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 76-83 REF SOURCE: TOPIC TAGS: spectrum analysis, chloride, IR spectrum, gallium, indium, titanium, tin ABSTRACT: An infrared spectrum analysis was used for the study of the characteristics of interaction between gallium and indium chlorides with acetone, methylhexyl ketone, cyclohexanone, acetophenone, benzophenone, and some other oxygen-containing [KP] compounds. [Translation of abstract.] SUB CODE: 07/ SUBM DATE: none Card 1/1



SOKOLOV, V.L., inch.

Double-lift dobby used in manufacturing large-figured heald fabrics. Tekst. prom. 18 no. 7:34-37 Jl '58. (MIRA 11:7)

(Loous)

L 46113-66 EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(1) IJP(c) JD/HM SOURCE CODE: UR/0135/66/000/009/0020/0023 AUTHOR: Chirkov, Ye. F. (Engineer); Sokolov, V. L. (Engineer); Mel'nikov, Yu. V. (Engineer) ORG: none TITLE: Automatic argon-shielded welding of M40 alloy SOURCE: Svarochnoye proizvodstvo, no. 9, 1966, 20-23 TOPIC TAGS: aluminum alloy, alloy welding, MIG welding, automatic welding, Well mechanical property/M40 alloy ABSTRACT: Experiments have been made to determine the optimum conditions for automatic MIG welding M40 aluminum alloy. Clad alloy sheets, 3-mm thick, heat-treated, strain-hardened and aged (TN1), or heat-treated and strain-hardened (TN), were automatically MIG welded with M40 or HMg6 alloy filler. All welds were found to be nelium tight. The highest weld efficiency (87.7%) and a tensile strength of 38.5-42.2 kg/mm² at a bend angle of 38-40 deg were obtained in welds with base and root reinforcements made with M40 filler wire, a specific heat input of 0.408 cal/sec·cm, and a steel backup plate with a 6.0 x (1.2-1.3) mm groove. The welds without reinforcement had a tensile strength of 34-35 kg/mm², a bend angle of 44-48 deg, and a weld efficiency of 76.5%. A 7-12% increase in the heat input lowers the weld strength by 12%. The use of a copper backup plate, the absence same UDC: 621.791.753.93:669.35 Card 1/2

ORESHKIN, V.D.; SOKOLOV, V.M.

Controlled bulk crystallization. Izv.Sib.otd. AN SSSR nc.9:141
'58.

1. Zapadno-Sibirskiy filial AN SSSR.

(Founding)

是他们就是这种性性,这个是这种的心理的一种的一种性,但是这种的一种的一种,但是这种的一种的一种的一种,但是这种的一种的一种的一种的一种的一种的一种的一种的一种的

SOV/128-59-11-16/24 18 (5)

Bondarev, Yu.Ye., Candidate of Technical Sciences, and Sokolov, V.M., Engineer AUTHORS:

Cast Samples for Control of Mechanical Properties of TITLE

Precision Castings

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, pp 40-41 (USSR)

The authors criticize the article written by N.M. ABSTRACT:

Tuchkevich and V.S. Petrova published in "Liteynoye proizvodstvo" Nr 9, 1958. Additional information on conceptions: fluidity limit, tensile strength, specific elongation, specific contraction and toughness of me-

tals is given. There are 2 tables.

Card 1/1

CIA-RDP86-00513R001652030002-2" APPROVED FOR RELEASE: 08/25/2000

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; OKOLOV, V.M.; FUKS, Yu.B.

Time length of holding large castings in the mold. Trudy Khim.met.inst.Sib.otd.AN SSSR no.14:139-145 '60. (MIRA 14:10)

(Founding)

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; SOKOLOV, V.M.; FUKS, Yu.B.

Forced cooling of large castings. Trudy Khim.-met.inst.Sib.otd.AN SSSR (MIRA 14:10)

no.14:147-151 160. (Thermal stresses)

BABIY, P.T., inzh.; SOKOLOV, V.M., inzh.

Developing a rotary cultivator for peat bog soils. Trakt. i sel'-khozmash. no.3:21-25 Mr '58. (MIRA 11:5)

l. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva. (Cultivators)

SOKOLOV, V.M., naukovii pratsivnik

Hew machinery for land improvement. Nekh. sil'. hosp. 9 no. 6:1213 Je '58. (MIRA 11:7)

1. Ukrains'kiy naukovo-doslidniy institut mekhanizatsii sil'skogo
gospodarstva. (Drainage)
(Excavating machinery)

SOKOLOV, V.M., nauchnyy rabotnik

Implements for cultivating soil in orchards. Mekh. sil'. hosp.
9 no.10:26-27 0 '58. (MIRA 11:10)

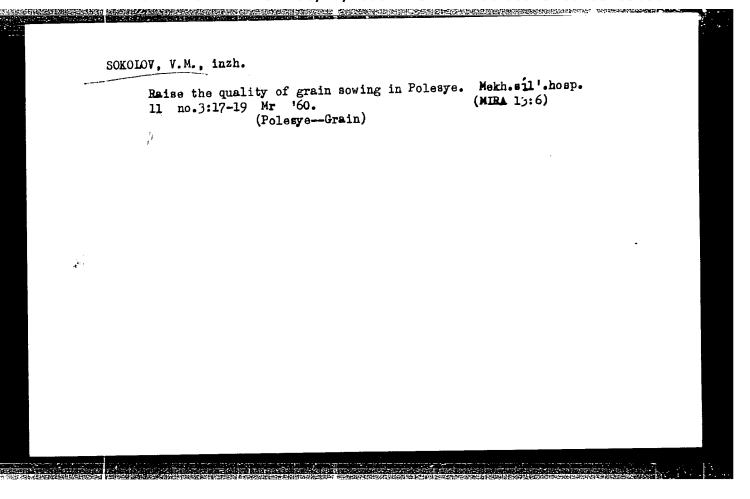
1. Ukrainskiy nauchno-isəledovatel'skiy institut mekhanizatsii i elektrifikatsii səl'skogo khozyaystva.

(Agricultural implements)

SOKOLOV, V.M., inzh.-mekhanik

Tooth harrow. Mekh. sil'. hosp. 10 no.3:23 Mr '59.

(Harrows)



KOROLENKO, K.M., kand.tekhn.nauk; SOKOLOV, V.M., inzh.

A combined machine for tillage. Mekh. sil!.hosp. ll no.8:28-29 Ag
'60. (Tillage)

SOKOLOV, V.M., inzh.

Fundamentals of the theory of the stability of motion of drill coulters. Trakt. i selkhozmash. 32 no.3:31-34 Mr '62. (MIRA 15:2)

Sokolav, V.M., inzh., NANALYGA, V.S., inzh.

Device for the application of liquid texic chemicals and fertiniters. Mashinostroenie no.1381-82 Ja-F '63.

(MIRA 16:7)

(Fertilizer spreaders)

3(2) AUTHORS: Oknin, Yu. A., Sokolov, V. M.

sov/6-59-6-19/22

TITLE:

On Mechanizing the Inscription on Maps (O mekhanizatsii naneseniya nadpisey na karty) (A Survey on Experience Made

Abroad) (obsor zarubezhnogo opyta)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 6, pp 70-73 (USSR)

ABSTRACT:

This is an abstract of the following 3 papers in German and 1 paper in Czech: Keller, K. Photomechanische Verfahren der Schriftherstellung für Kartographische Zwecke. "Vermessungstechnische Rundschau", Nr 5-6, 1958 (Photomechanical Procedure of Inscription for Cartographic Purposes. "Geodetic Review",

Parel. Romograph, ein Beschriftungsgerät für das Ritzverfahren. Nr 5-6, 1958). "Vermessungstachnische Rundschan", Nr 3, 1957. (Rotograph, an Inscription Device for the Scratch Method. "Geodetic Review",

Pavel. Chemisches Ritzen. "Vermessungstechnische Rundschau", Nr 3, 1957). Nr 9, 1957. (Chemical Seratching. "Geodetic Review", Nr 9, 1957). Plachy, O. Navrh fotosázeciho stroje pro potreby kartografie.

Card 1/2

"Geodetický a kartografický obzor". Nr 8, 1958. Besides, a report on the following machines is given:

On Mechanizing the Inscription on Maps (A Survey on Experience Made Abroad)

SOV/6-59-6-19/22

The Dutch machine "Khadego", the U.S. made device "Headliner" and the contact device "Fotokompozitor", the French photomounting machine "Bibette", and the West-German "Kholyuks-Kartolyuks". There are 4 figures and 4 references.

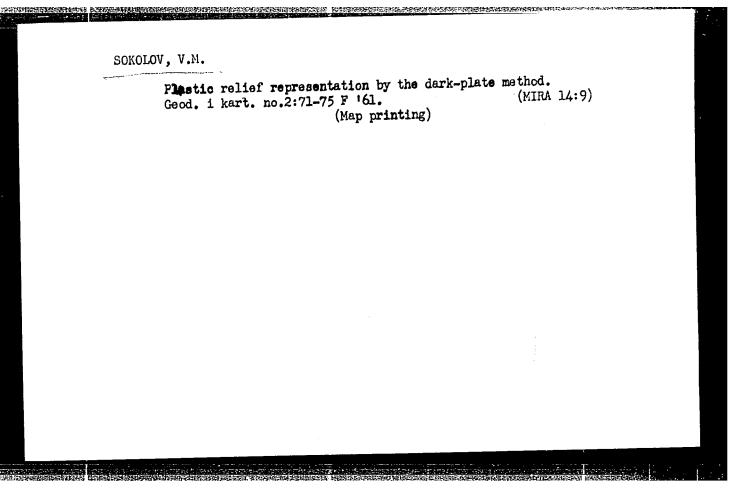
Card 2/2

SOKOLOV, V.M.; OKNIN, Yu.A.

Development of methods used in the production of plastic relief
maps in foreign cartography. Geod. i kart. no.8:69-72 Ag 160.

(MIRA 13:10)

(Relief maps)



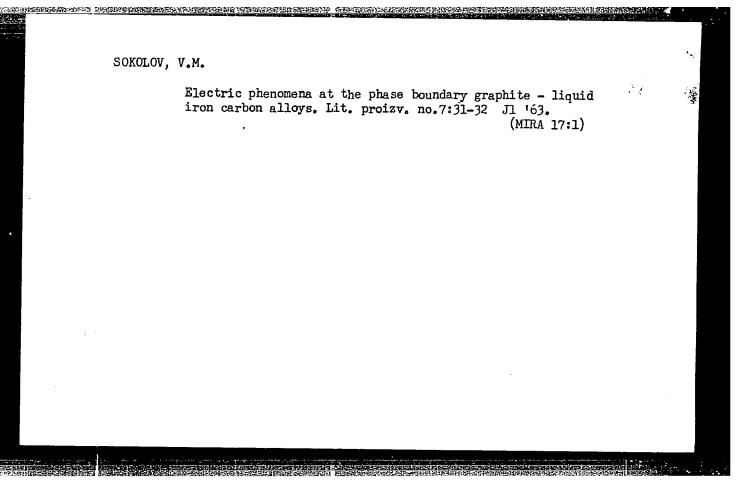
SOKOLOV, V.M.

New geographical atlas for the fourth grade. Geod. i kart. no.ll:

(MIRA 15:1)

46-50 N '61.

(Russia--Maps)



EWT(1)/EWT(m)/EEC(k)-2/T/EWP(t)/ETI/EWP(k) IJP(c) L 41755-66 SOURCE CODE: UR/0141/66/009/002/0308/0313 ACC NR: AP6011916 AUTHOR: Sokolov, V. M.; Tavger, B. A. ORG: Scientific-Research Physico-Technical Institute, Gor'kiy University (Nauchno-issledovatel'skiy fiziko-tekhnicheskiy institut pri Gor'kovskom universitete) TITLE: Nonuniform-magnetization model in the theory of spin-wave resonance in a thin ferromagnetic film SOURCE: IVUZ. Radiofizika, v. 9, no. 2, 1966, 308-313 TOPIC TAGS: ferromagnetic film, spin resonance , mas NETIZATION ABSTRACT: The boundary conditions are assigned in accordance with two conventional extreme cases: (1) A fixed boundary, $m^{-}|_{0,L}=0$ (E. Hirota, J. Phys. Soc. Japan, v. 19, no. 3, 1964) and a free boundary, Portis, Appl. Phys. Letters, v. 2, 69, 1963). It is also assumed that the UDC: 538.62

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652030002-2"

Card 1/2

L 41755-66

ACC NR: AP6011916

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magnetization nonuniformity is due to the excitation of spin waves and exists even in a perfect film. Thus, the definition of the boundary conditions results in a concrete form of the nonuniform magnetization. For fixed boundary conditions, the found "natural" nonuniformity contradicts the E. Hirota results. The problem of spin-wave resonance, under fixed boundary conditions, is solved by the disturbance method; in the first order, the energy correction is given by:

$$\varepsilon_n^{(1)} = \int m_{\mathbf{x},n}^+ \hat{W} m_{\mathbf{x},n}^- dv = \frac{\mu M_0 kT}{4AL} \left[\frac{1}{2} \left| \ln \left(1 - e^{-n^{2}/\sigma} \right) \right| + \sum_{p=1}^{\infty} \left| \ln \left(1 - e^{-p^{2}/\sigma} \right) \right| \right],$$

which is claimed to be in agreement with known experimental data. "In conclusion, the authors wish to thank V. V. Vas'kin, V. Ya. Demikhovskiy, and M. Ya. Shirobokov for useful discussions, and V. S. Metrikin for carrying out the calculations." Orig. art. has: 2 figures and 21 formulas.

SUB CODE: 20 / SUBM DATE: 09Jul65 / ORIG REF: 002 / OTH REF: 006

Card 2/2 20

SOKOLOV, V.M., aspirant

Microflore of the nasal cavity and Highmore sinuses in chronic serous inflammation of the latter. Vest. otorin. no.4368-71 762.

(MIRA 16:3)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - zasluzhennyy deyatel' nauki Bashkirskoy ASSR prof. V.A. Smirnova) k kafedry mikrobiologii (zav. - zasluzhennyy deyatel' nauki Bashkirskoy ASSR prof. N.I. Mel'nikov) Bashkirskogo meditsinskogo instituta, Ufa.

(NOSE-MICROBIOLOGY) (MAXILLARY SINUS-DISEASES)
(SINUSITIS)

L 10381-63

ACCESSION NR: AP3002904

S/0289/63/000/001/0025/0031

AUTHOR: Kirgintsev, A. N.; Sokolov, V. M.; Burlakova, N. I.

44

TITLE: On the mechanism of the magnetic treatment of water

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya khimicheskikh nauk, no. 1, 1963, 25-31

TCPIC TAGS: boiler, feed water, magnetic treatment, magnetic field, corrosion, iron corrosion, oxygen, carbon dioxide, pH, ferrous ions, magnetite, calcium sulfate, calcite, scale, crystallization, crystallization nuclei

ABSTRACT: Magnetic treatment of boiler feed water was studied 1) to establish the type and quantity of iron corrosion products which go into the water during treatment and 2) to determine the effect of such products on slime precipitation. In part 1, distilled water was treated magnetically in three separate units (1, 2, and 3 in Figs. 1 and 2 of Enclosure). Units 1 and 2 consist of a glass or brass pipe with a concentric steel core inside and a set of electromagnets outside. Unit 3 consists of two steel flanged sleeves, between which a bronze

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L 10381-63 ACCESSION NR: AP3002904

spacing ring with a coil wound around it is clamped with steel bolts to form the two poles of an electromagnet; a concentric core is fastened inside the unit. In all three units, the water flows in the clearance between the core and the wall. Water flowing at a velocity of 1.2 cm/sec was exposed to magnetic field intensities of 420--1600 oersted. The carbon dioxide and oxygen content and the pH of the water were determined before and after treatment. Corrosion of the come or the wall of the steel sleeves in Unit 3 was evidenced by the presence of black sludge (magnetite); ferrous ions were detected in the treated water, and their concentration was quantitatively determined. Ferrous-ion concentration was found to be a function of magnetic field intensity, having a maximum at approximately 500 cersted, and of flow velocity, decreasing with an increase in the latter. Carbon dioxide content remained practically unchanged after the treatment, oxygen content dropped, and pH rose. The pH rise was attributed to corrosion to form ferrous ions as a result of the oxidation of metallic iron by oxygen. In part 2 a series of experiments was conducted with a solution of calcium sulfate, a typical scale-forming agent, to which an equal amount of magnetically treated distilled water was added. The mixtures were evaporated by boiling, and the amount of water evaporated up to the point at which crystals first appeared was recorded. The experiments proved that ferrous-ion

Card 2/€,

L 10381-63 ACCESSION NR: AP3002904

concentrations in the 0.0001--0.0008-mg range caused crystallization before saturation was reached. It was assumed that the ferrous ions, which in boiler water may result from the thermal decomposition of ferrous carbonate, act as crystallization nuclei in the formation of, e. g., calcite crystals in the bulk of the feedwater. The fact that magnetically treated water preserves its properties for only about 24 hours is explained by the gradual oxidation of the ferrous ions to ferric. "In conclusion the authors of the article express their sincere gratitude to 0. N. Lebedev and A. N. Khoye for their practical assistance and valuable advice during the accomplishment of this work." Orig. art. has: 5 figures, 4 tables, and 3 formulas.

ASSOCIATION: Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk (Institute of Inorganic Chemistry of the Siberian Department AN SSSR)

SUBMITTED: 05Jul62 DATE ACQ: 24Jul63

ENCL: 01

SU3 CODE: 00

NO REF SOV: 005

OTHER: 004

0

Card 3/4

- 1. POPOVA-BATUEVA, L. V.: SOKOLOV, V. H., D.V.H.
- 2. USBR (600)
- 4. Cattle Diseases
- 7. Therapy and preventive treatment in the laziasis of cattle. Veterinariia 29 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

SCKCLOV, V. M.

SOKOLOV, V. M.: "Deaf-mutism among the population of the Buryat-Mongol ASSR before and after the October Socialist Revolution". Ulan-Ude, 1954. Kazakh Medical Inst imeni V. M. Molotov. (Dissertations for the degree of Candidate of Medical Science.)

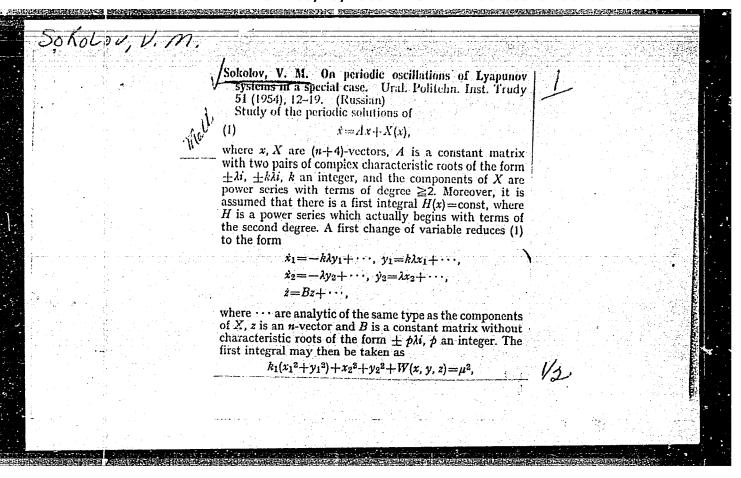
SO: Knizhnaya Letopis! No. 50 10 December 1955. Moscow.

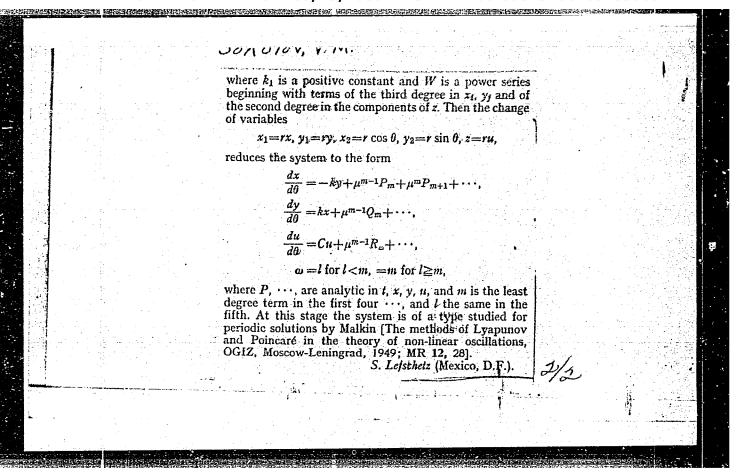
SOKOLOV, V.M.

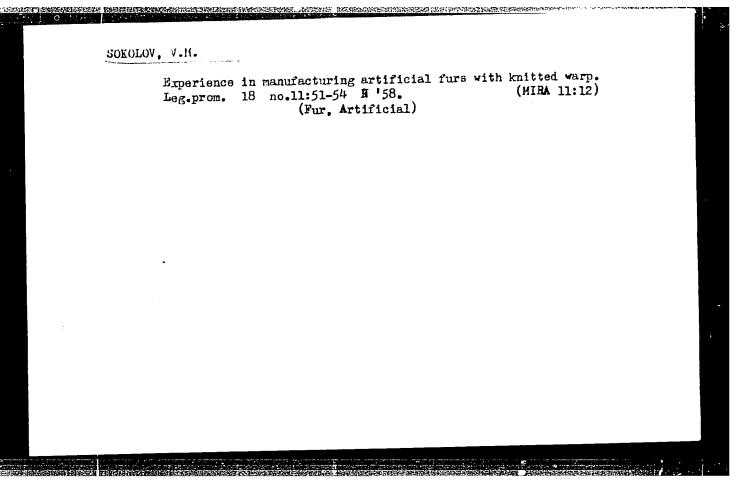
For a rapid development of the knit goods industry. Tekst.prom. 23 no.5:7-10 My '63. (MIRA 16:5)

1. Nachal'nik otdela shveynoy, trikotazhnoy i tekstil'no-galantereynoy promyshlennosti Soveta narodnogo khozyaystva SSSR.

(Knit goods industry)







SOKOLOV, V.M.; ZARKHIN, V.A.

Expansion of the knit goods industry during the seven-year plan. Tekst. prom. 19 no.6:5-10 Je '59. (MIRA 12:9)

1. Nachal'nik pedetdela otdela legkey premyshlennesti Gesplana SSSR (for Sokolev). 2. Rukeveditel laboratorii Vsesoyuznege nauchno-issledovatel'skege instituta triketazhnoy premyshlennesti (for Zarkhin).

(Knit goods industry)

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SORCIOS AUTHOR

PA = 2706

TITLE

DUKEL'SKIY V.M., SOKOLOV V.M.
The Negative Ions of Silicon, Germanium, Tin, and Lead.

(Otrytsatel'nyye iony kremniýa, germaniýa, olova i svintsa). Zhurnal Eksperim. i Teoret.Fiziki, 1957, Vol 32, Nr 2, pp 394-395

FER IODICAL (U.S.S.R.)

Received 5/1957

N M

Reviewed 6/1957

ABSTRACT

In continuation of their studies the production of atomic negative ions the authors sought for ions of the elements of the right column of the IV.group of the periodic system. The ions of carbon were already known previously. The present work states the existence of the atomic negative ions of the elements Si, Ge, Sn, Pb. The negative ions were produced by means of an ion source on the occasion of the interaction of an electron bundle. with the molecules of the halides of the element to be investigated. The negative ions were also produced by "re-charge", i.e. by transition of the surplus electron from the donor ions to the atoms of the substance to be investigated. The negative ions were analyzed and recorded by means of a magnetic mass spectrometer. There follow the experimental conditions and results for the individual elements:

Silicon: Into the ion source SiCl4 -vapors were introduced. In the spectrum of the negative ions the following groups of lines were determined:

Si (28,29,30), Cl, SiCl, Cl, SiCl, SiCl, SiCl, SiCl, .

Germanium: Here the possibility for the production of negative ions by means of a "re-charge" of negative antimony-ions with germanium atoms was tested. On the occasion of the sole introduction of germanium into the

Card 1/2

21(8) AUTHORS:

Dukel'skiy, V. M., Sokolov, V. M.

sov/56-35-3-56/61

TITLE:

The Negative Ions of Iron, Cobalt, and Nickel (Otritsatel'nyye

iony zheleza, kobal'ta i nikelya)

PERIODICAL:

Zhurnal eksperimental noy i teoreticheskoy fiziki, 1958,

Vol 35, Nr 3, pp 820-820 (USSR)

ABSTRACT:

In all cases that have hitherto become known, the production of negative atom-ions can be explained by the penetrating of an additional electron into the incomplete external group of equivalent electrons. According to the authors' opinion, also such atoms can have electron affinity in which the "free places" are not located on the periphery of the electron shell but in its deeper regions. In this connection the authors searched for negative ions of iron, cobalt, and nickel. For these experiments the authors used a mass spectrometer with a nearly 100-fold resolving power. The negative ions were obtained by exposing the corresponding molecules (which contain these atoms) to the action of an intense electron beam. For these tests the anhydrous dichlorides FeCl₂, CoCl₂,

and NiCl2 were used. The analysis of the content of negative

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The Negative Ions of Iron, Cobalt, and Nickel

sov/56-35-3-56/61

文件的主义的经验的**占据的关系**的现在分词

ions gave the following results: 1) For FeCl2: when the ion source was used in the manner usual for mass-spectroscopic investigations, the lines of Cl, Cl2, FeCl, FeCl2, FeCl3 were found in the spectrum of negative ions. At higher temperatures the lines corresponding to the ions Fe (masses 54 and 65) occurred. - 2) For CoCl2: With the ion source used in the usual manner, the ions Cl, Cl2, CoCl, Carlo. and also a weak line of Co59 were observed. With an intensification of the electron flux and of the density of the CoCl2-vapors in the source it was possible to increase the amperage of the Co⁻-ions to 1.10⁻¹³ A. - 3) For NiOlg: The lines of Cl, Cl, NiCl, NiCl, and also weak lines of Ni (masses 58 and 60) were observed. With an increased emission of the ion source the lines of Ni_{58}^{2} and Ni_{60}^{2} became considerably more intense, and also the line of Ni 62 became noticeable. In conclusion, suggestions were made with respect to the structure of the ions Fe-, Co-, and Ni-. There are 2 references.

Card 2/3

The Negative Ions of Iron, Cobalt, and Nickel

SOV/56-35-3-56/61

ASSOCIATION:

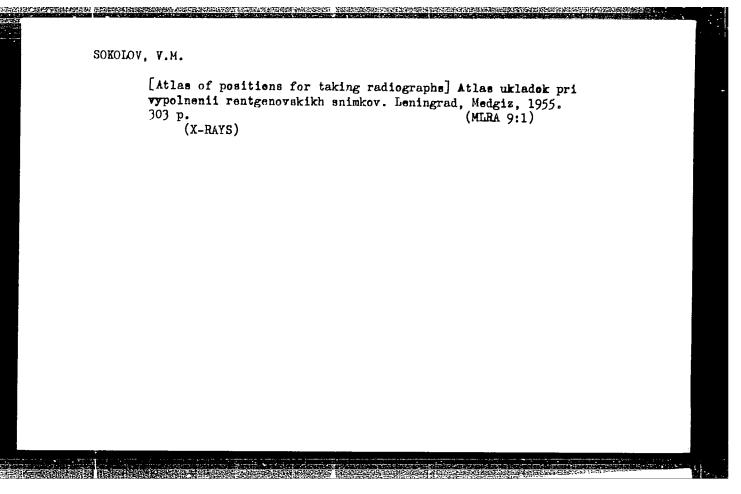
Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR (Leningrad Physico-Technical Institute of the Academy

of Sciences, USSR)

SUBMITTED:

July 5, 1958

Card 3/3



sov/128-59-10-15/24

18(2,3,4)

Sokolov, V.M., Engineer AUTHOR:

TITLE:

On the Electrokinetic Qualities of Graphite

FERIODICAL:

Liteynoye proizvodstvo, 1959, Nr 10, pp 40-42 (USSR)

ABSTRACT:

The author presents several abstracts of references. It is established by experiment (Ref.3), that white and gray cast iron always contain submicroscopic inclusion of graphite. Since the inner potential of pure graphite is not equal to the inner potential of pure cast iron, the submicroscopic graphite bears an electric charge and possesses electrokinetic qualities. The results of these experiments are shown in fig. 4, curve 1. V.K. Semenchenko (Ref.4) found considerable sensitivity of the surface tension of mercury in his experiment, in comparison with other chemical elements. The influence of additions to the surface tension is based on the fact that the electrokinetic effect and the surface tension depend on two electric plies on the surface and the interaction between them at contact. By the method of small drops (Ref. 5) it is established that the surface tension of iron carbon alloy can

card 1/2

SOV/128-59-10-15/24

On the Electrokinetic Qualities of Graphite

2000年1月1日 李平安中国共和国国际

be lowered by a higher carbon content (Table 2). The calculation of this is conducted according to the theory of Ya.I. Frenkel' (Ref.2). The examination of the electrocapillary effect in the metal-slag system is conducted by means of ref.6. The connection of this effect with electrokinetic effects is presented in ref.7. The author does not give any details on this reference. There are 2 diagrams, 2 graphs, 2 tables and 7 Soviet references.

Card 2/2

SOV/137-57-6-10460

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 151 (USSR)

AUTHORS: Spiridonov, A.A., Sokolov, V.M.

TITLE: Factors in Centrifugal-ball Treatment (Faktory rezulima tsentro-

bezhno-sharikovoy obrabotki)

PERIODICAL: Sb. statey. Ural'skiy politekhn. in-t, 1956, Nr 63, pp 4-14

ABSTRACT: The centrifugal-ball treatment (CBT) consists of the plastic de-

formation of the surface layer of the metal caused by periodic impacts by balls. The balls are located in the radial troughs of a hardening disc; upon striking the surface they rebound into the center of the disc, whereupon through the action of the centrifugal force they again return to the edge position. The cleanness of the surface and the degree of plastic deformation of the surface layer depend upon the conditions of the CBT. The treatment is characterized by the following parameters: The angular speed of the hardening disc, the rate of movement of the article, the tightness of fit, the feed, and the number of passes. The sum total of these conditions determines the value for the following two factors: The force of the impact and

Card 1/2 the number of impacts per unit surface; these are the fundamental

Factors in Centrifugal-ball Treatment

SOV/137-57-6-10460

parameters in the hardening process. The magnitude of the impact action on the surface being treated is measured by the magnitude of the impact impulse. The impact impulse is directly proportional to the angular velocity and proportional to the square root of the magnitude of the tightness of fit.

M.Ch.

Card 2/2

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LYUBIMOV, L.A.; SOKOLOV, V.M.

Gyrotropic circular dielectric wave guide. Izv. vys. ucheb. zav.; radiotekh. 6 no.2:136-142 Mr-Ap '63. (MIRA 16:6)

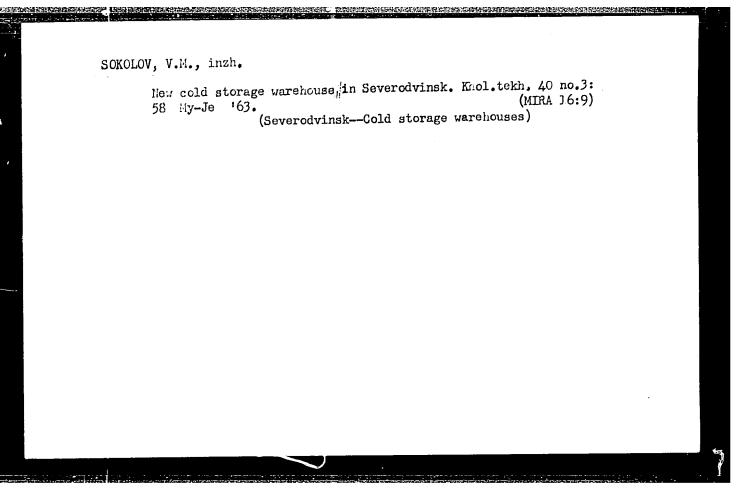
1. Rekomendovana kafedroy radicelektronnykh priborov Moskovskogo ordena Lenina i ordena Trudovogo Krasnogo Znameni vysshego tekhnicheskogo uchilishcha imeni N.E. Baumana.

(Wave guides)

REPRESENTED TO THE PROPERTY OF THE PROPERTY OF

ANIKIN, Nikolay Aleksandrovich; IROBYSHEVSKAYA, Nadezhda Ivanovna;
DUDINOV, Vladimir Alekseyevich; KON'KOV, Arkediy
Sergeyevich; KONYUKHOV, Sergey Mikhaylovich; MESHCHERINOV,
Fedor Ivanovich; POLETSKIY, Aleksandr Timofeyevich; POLYAKOV,
Gleb Maksimovich; SAL'NIKOV, Oleg Alekseyevich; CHERNOBAY,
Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsenzent; NEFED'YEV, G.N., kand. fiz.-mat. nauk; SOKOLOV, V.M.,
kand. fiz.-mat. nauk; SOKOLOVSKIY, V.I., kand. tekhn. nauk;
RUDIN, S.N., inzh.; EYDINOV, M.S., kand. tekhn. neuk; DUBITSKIY,
G.M., doktor tekhn. nauk, red.; ZAKHAROV, B.P., inzh., red.;
KONOVALOV, V.N., kand. tekhn. nauk, red.; PERETS, V.B., kand.
tekhn. nauk, red.; ROZENBERG, I.A., kand. ekonom. nauk, red.;
STEPANOV, V.V., kand. tekhn. nauk, red.; SUSTAVOV, M.I., inzh.,
red.; SHABASHOV, S.P., kand. tekhn. nauk, red.; DUGINA, N.A.,
tekhn. red.

[Handbook for inventors and innovators]Spravochnik dlia izobretatelia i ratsionalizatora . [By] N.A.Anikin i dr. Izd.3., ispr. i dop. Moskva, Mashgiz, 1962. 791 p. (MIRA 16:1) (Technological innovations—Mechanical engineering)



SOKOLOV, V.M. (Ura)

Histopathological changes in the mucous membrane of Highmore's antrum in serous chronic inflammation. Zhur. ush. nos. i gorl. bol. 23 no.6:60-64 N-D '63. (MIRA 17:5)

l. Iz kliniki bolezney ukha, gorla i nosa (zaveduyushchiy - zasluzhennyy deyatel' nauki Bashkirskoy ASSR prof. V.A. Smirnova) Bashkirskogo meditsinskogo instituta.

SOKOLOV, V.M., dots., kand. fiz.-mat. nauk; CHERNYY, V.F., retsenzent; KLINSKIKH, N.A., nauchm. red.

[Problems on theoretical mechanics, manual] Sbornik zadach po teoreticheskoi mekhanike; uchebnoe posobie.

Sverdlovsk. Izd. Ural'skogo politekhn. in-ta im. S.M.

Kirova. Pt.1. 1964. 74 p. (MIRA 17:11)

SOKOLOV, V.M. Prinimal uchastiye MYSHETSKAYA, Ye.N.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.; BIBIK, A.Ye., red.; ZASLAVSKIY, I.I., red.; KONDRAT'YEV, B.A., red.; MYASISHCHEVA, Ye.I., red.; SOLOV'YEV, A.I., red.; STROYEV, K.F., red.; SCHASTNEV, P.N., red.; TANANKOVA, A.I., red.; TEREKHOV, N.M., red.; LOBZOVA, N.A., red.

[Atlas of Moscow Province] Atlas Moskovskoi oblasti. Moskva, 1964. 12 p. (MIRA 18:3)

1. Russia (1923- U.S.S.R.) Glavnoye uprevleniye geodezii i kartografii.

KIRGINTSEV, A.N.; SOKOLOV, V.M.

Effect of the preliminary action of magnetic field on the crystallization of calcium sulfate from aqueous solutions containing iron sulfate. Koll. zhur. 27 no.5:697-701 S-0 '65. (MIRA 18:10)

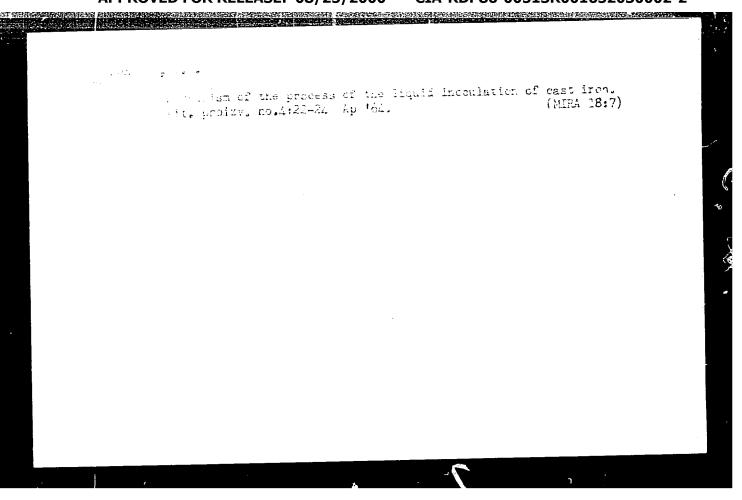
1. Institut ; ∋organicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

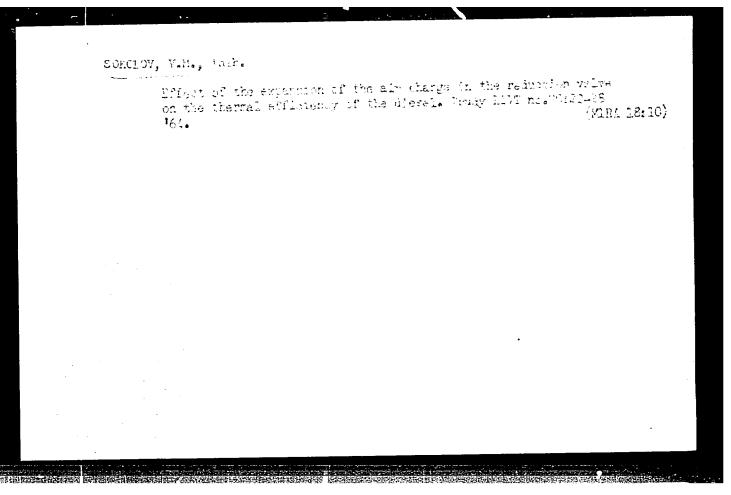
KIRGINTSEV, A.N.; SOKOLOV, V.M.

Effect of the preliminary action of magnetic field on the thermal decomposition of aqueous calcium bicarbonate solutions. Koll. zhur. 27 no.5:702-704 S-0 '65. (MIRA 18:10)

l. Institut neroganicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

on the contract of the fault one two constractive activity of two constractive activity of two constractive activity and labor. Asset. I of a. ac.2:9-13 - 165. (MRA 28:20)
t. mejodin ob a regular i ginekologit (nav prof. I.I.Yakoviev) v bortograficoje i motivate imeni I.I.Francava.





DIN IN [Ting Ying], akademik [Pekin]; SOKOLOV, V.L. [translator]

Studying rice hulls found in the Yangtze Valley in burned red

Studying rice hulls found in the language value, in Surada clay of the Neolithic period. Agrobiologica no.4:563-567 (MIRA 13:8) J1-Ag '60.

1. President Akademii sel'skokhozyaystvennykh nauk Kitaya. (Yangtze Valley--Rice)

ACC NR: AT6021728

SOURCE CODE: UR/0000/66/000/000/0057/0070

AUTHOR: Gorelik, N. G.; Koloydenko, A. L.; Podol'skiy, T. S.; Sokolov, V. N.; Stukalov, A. M.; Fudim, Ye. V.

ORG: none

TITLE: Design of pneumatic computing and control systems and their application in the automation of synthetic rubber production

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 57-70

TOPIC TAGS: pneumatic control, pneumatic device, automatic pneumatic control, synthetic rubber, rubber working machinery, industrial automation, automatic control equipment

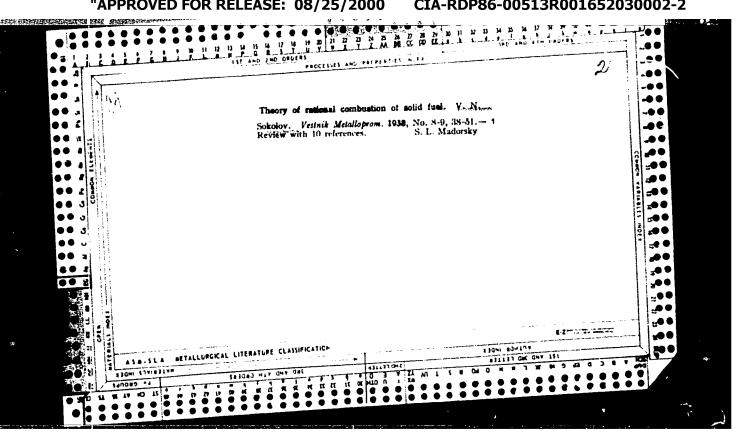
ABSTRACT: Pneumatic control systems used for automated production of synthetic rubber are described. Table 1 summarizes the types, functions, and typical applications of pneumatic devices in manufacturing of rubber. Three examples of specific applications pollow. Process optimization of contact breakdown of alcohol into divinyl. This process depends on the catalyst activity, the composition of the contact mixture, feed of alcohol vapor, and catalyst temperature. The first two parameters are considered to be random disturbances and the last two, the controlling forces. The quality indicator of the process is the divinyl output for alcohol input. A block diagram of the system is

Card 1/4

ACC NR: AT6021728	TABLE 1 (Continue	: d)
		The selection of a maximum (minimum) signal from a set of n signals Gate valve switching in flow lines Control through optimizing systems
	Control in response to quality indicators	Stabilization Optimization

shown in figure 1. The output of controlled process 1 is fed into isothermic condenser 2 where the liquid and gaseous product components are separated to determine the values of divinyl content and the condensate density. Densitometer 4 and chromatograph values of divinyl content and the condensate density of the chromatograph to make 3 perform these functions. Decoder 5 decodes the output of the chromatograph to make the divinyl concentration explicit. Calculating system 6 computes the values of quality indicators according to a predetermined formula. Device 7 averages the quality indicator signal with respect to time and thus reduces noise. Limit controller 8 regulates stabilization system 9 and 10 which in turn control the temperature and alcohol feed. The design and performance of pneumatic calculator and the controller are given in detail. The pneumatic decoder for the DChP-3 Chromatograph is intended for automa-

Card 3/4



SOKOLOV, V.N., kandidat tekhnicheskikh nauk.

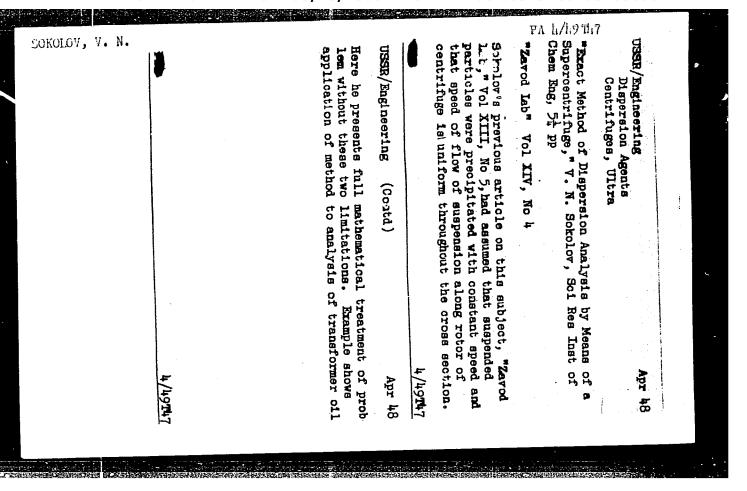
**Mandidat tekhnicheskikh nauk.

**Heating-up perieds for semifinished fergings. Vest.mash.27 ne.12:

Heating-up perieds for gemifinished fergings. Vest.mash.27 ne.12:

(MIRA 9:4)

75-78 D 147. (Ferging)



SOKOLOV, V. N.

Hydrodynamics

Dissertation: "Investigation of the Hydrodynamics of Screen-Type Bubbling Plates in Application to Conditions of Rectification." Cand Tech Sci, Leningrad Technological Inst, Leningrad, 1953. (Referativnyy Zhurnal -- Mekhanika Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954

- 1. COMOLOV, V.N.; PROFILEYEV, N.H.
- 2. USUR (600)
- 4. Gear-Cutting Machines
- 7. Laborsaving methods in gear cutting, V.N. Sokolov, N.N. Trofileyev, Avt.trakt.prom. no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, ARL 1953, Uncl.

SOKOLOV, V.N.; VURTSEL', I.S.

"Effect of the mechanical properties and heat conductivity of steel upon its machinability." Reviewed by V.N. Sokolov, I.S. Vurtsel'. Avt.trakt. prom.no.5:32-33 of cover My '53.

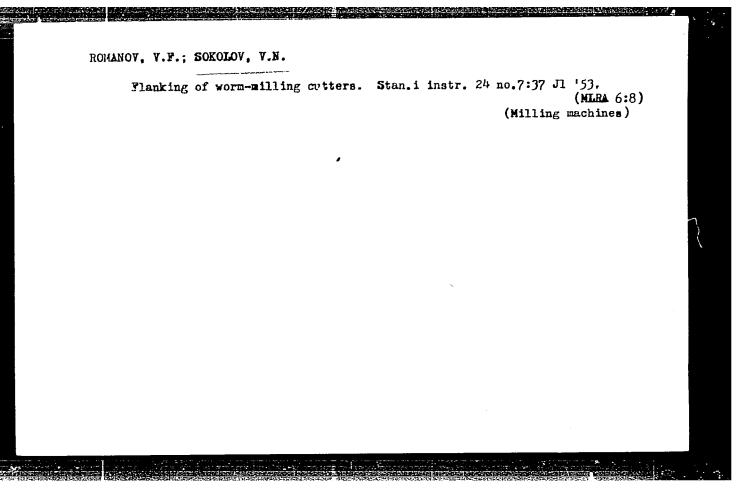
1. Moskovskiy avtozavod im.Stalina.

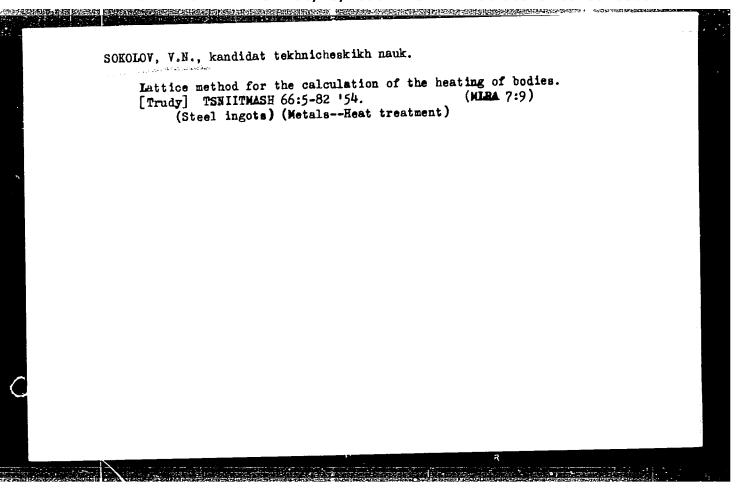
(Tashlitskii, N.I.) (Steel--Testing)

SONOLOV, V.N.; TROFILEYEV, N.N. Cold rolling of the Hindley worm gear of a steering wheel. Avt.trakt. prom. no.6:20-23 Je '53.

1. Moskovskiy avtozavod im. Stalina. (Automobiles--Steering gear)

(HLRA 6:6)





SOKOLOV, V.N., kandidat tekhnicheskikh nauk; KUROYEDOV, V.A., kandidat tekhnicheskikh nauk; SOROKIN, A.I., kandidat tekhnicheskikh nauk; LEBEDEV, A.V., inzhener; ZOBNIN, B.F., inzhener; VOYEVODKIN, I.B., inzhener.

Investigation of the heating of large ingots. [Trudy] TSHIITMASH 66:83-115 '54. (MIRA 7:9)

TSNIITMASh (for Kuroyedov). 2. Uralmashzavod (for Voyevodkin).
 (Steel ingots) (Metals--Heat treatment)

SOKOLCY, V N G15.918 .568

Raschety Nagreva Metalla (Calculations for Tempering Metal) Moskva, Mashgiz, 1955.

100 p. Graphs, Tables.

"Literatura": p. (102)

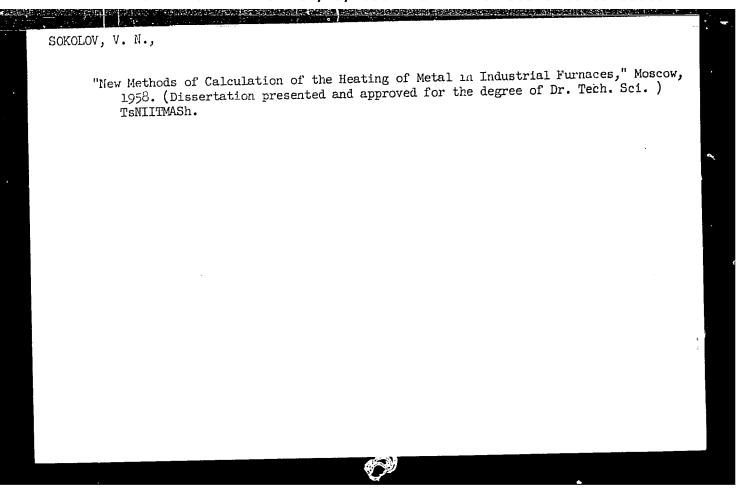
SOKOLOV, Vladimir Mikandrovich; TEBEN'KOV, B.P., redaktor; GOLYATKINA, A.G., redaktor; ATTGOVICH, M.K., tekhnicheskiy redaktor.

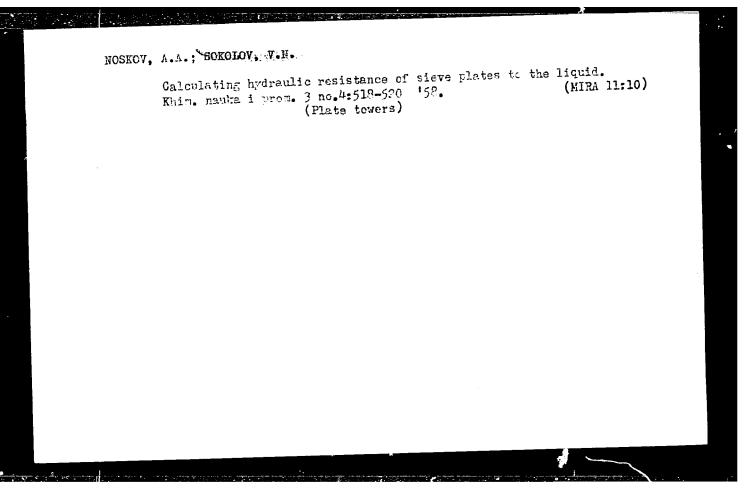
[Calculating the heat of metall in metallurgical furnaces]

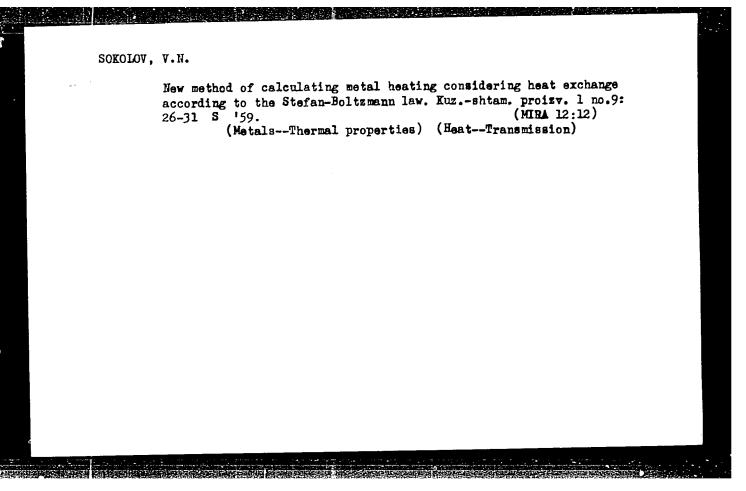
Raschety nagreva metalla v metallurgicheskikh pechakh, Moskva, Gos.nauchno-tekhn. izd-vo lit-Ty po cheraci i tsvetnoi metallurgii. 1956.130 p.

(MERA 9:5)

(Setallurgical furnaces)



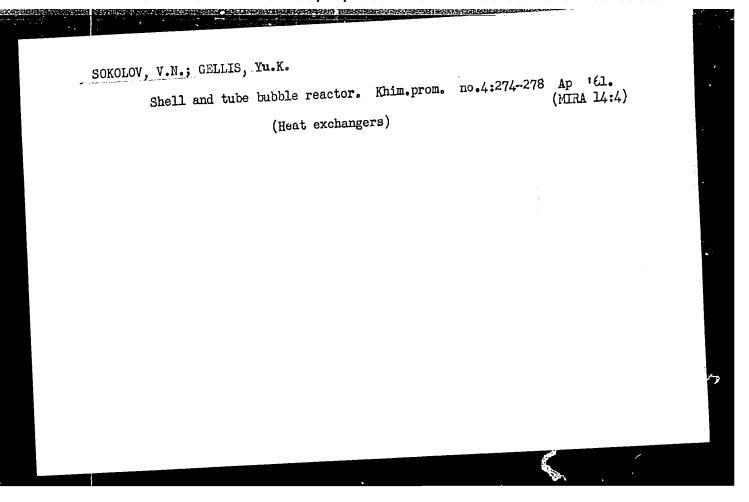




SOKOLOV, V.N., RESHANOV, A.S.

Effect of the time factor on the break-up of drops in a stream made turbulent by a bubbling gas. Zhur.prikl.khim. 33 no.5:1068-1075 My '60. (MIRA 13:7)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta, (Drops) (Dispersion)



24,4200

\$/124/62/000/004/028/030 D251/D301

AUTHORS:

Korolev, V. I., Smirnov, I. G. and Sokolov, V. N.

TITLE:

Investigating the stability of a cylindrical shell

with limited elasticity

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 4, 1962, 30, abstract 4V212 (Uch. zap. MGU, 1961, no. 193, 22-41)

TEXT: Results are given of the experimental investigation of the stability of thin cylindrical shells under the action of axial compression in the presence of a constant internal pressure. 500 mm dia. shells made of 1x18H9T (1Kh18N9T) steel and of AMT-6T (AMG+6T) aluminum alloy were tested. Thickness of the shell was in the range 1 - 2.5 mm. The shells were welded from sheets of the material. A satisfactory agreement between the theoretical and experimental values of the critical load of the shell was established. / Abstracter's note: Complete translation. /

Card 1/1

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Heat transfer between gas-liquid systems and the heat exchange element.

Zhur.prikl.khim. 35 noll:2570-2573 N *62. (MIRA 15:12)

1. Leningradskiy tekhnologiqheskiy institut imeni Lensoveta.

(Systems (Chemistry)) (Heat—Transmission)

SOKOLOV, V.N.; SALAMAKHIN, A.D.

Heat transfer from the gas-liquid system to the wall of a heat-exchange element under bubbling conditions. Zhur.prikl. (MIRA 15:5)

l. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.
(Heat exchangers)

A Alrea, To.V.; Second, V.S.; Costala, A.A.; Sharlad, A.Ya.

Indicate testing of cheef thereoplastic. Ther. print. Rhis. 32

12. A. Sol. 270 Apriot.

13. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

SCKCLUY, V.N.

ATLASOV, I.P.; DEMOKIDOV, K.K.; DIBNER, V.D.; EGIAZAROV, B.Kh.; IVANOVA, A.M.; LOBANOV, M.F.; MARKOV, F.G.; RABKIN, M.I.; RAVICH, M.G.; SAKS, V.N.; SOKOLOV, V.N.; TKACHENKO, B.V.; USTRITSKIY, V.I.; NALIVKIN, D.V., nauchnyy red.; VASIL'YEV, R.P., red.; SOLOV'YEV, L.D., red.; NEKHOROSHEV, A.P., red.; DOLGONOS, L.G., tekhn. red.

CONTROL OF THE PROPERTY OF THE

[Geological map of the Soviet Arctic] Geologicheskaia karta
Sovetskoi Arktiki. Sost. I.P. Atlasov [i dr.] Glav. red. F.G.
Markov.Nauchn. red. D.V. Nalivkin. [Moskva] 1957. ...Col.
map 89 x 131 cm. no. 4 sheets 51 x 72 cm. .. Scale 1:2,500,000.
map 89 x 131 cm. no. 4 sheets 51 x 72 cm. ... Scale 1:2,500,000.

Inset: [Geological map of Wrangel Island] Geologicheskaia karta
... Inset: [Geological map of Wrangel Island] Geologicheskaia karta
(MIRA 11:8)

Ostrova Vrangelia, 1:1,500,000.

(Arctic regions--Geology--Maps)

"Carbon balance in bution in the earth low. Geol. nefti 1	h's crust" by V.A.	. Uspenskii, Rev	n carbon distr viewed by V. So (MLRA 10:8)	ko-
				j.

SOKOLOV, V.N.

Geology of the northern part of the West Siberian Plain. Trudy Nauch.—

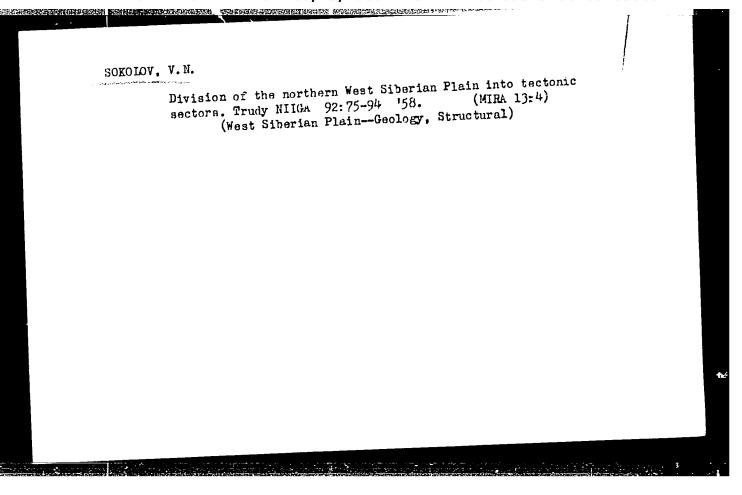
Geology of the northern part of the West Siberian Plain. Trudy Nauch.—

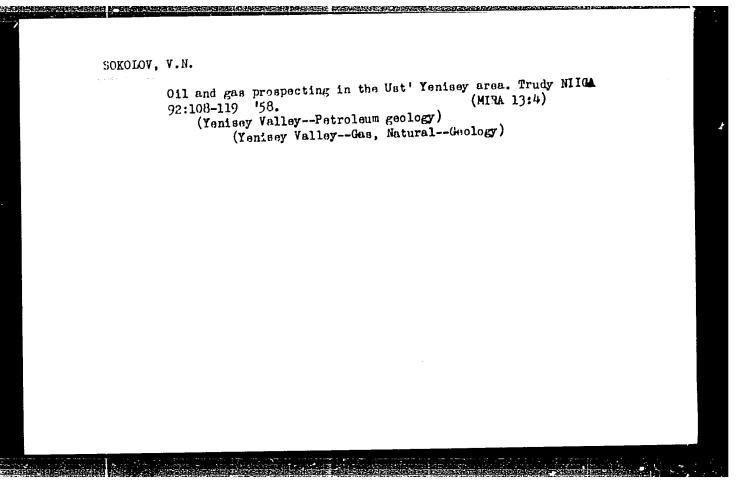
(MIRA 11:5)

issl. inst. geol. Arkt. 81:105-132 '57.

1. Chlen ekspeditsii instituta geologii Arktiki.

(West Siberian Flain—Geology)

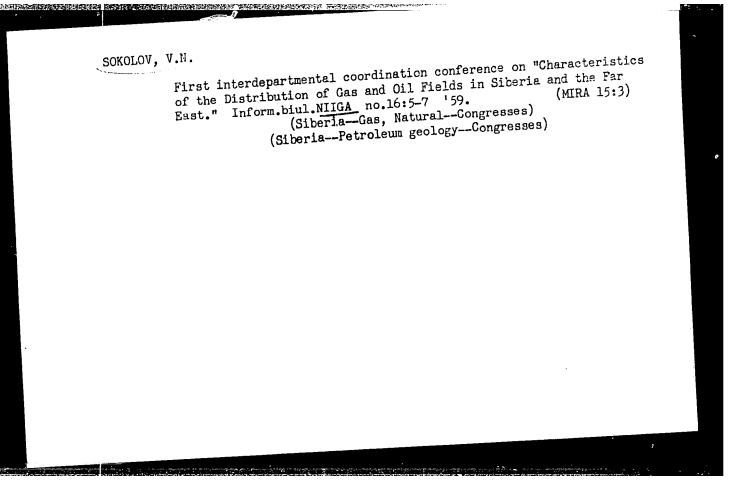




STREIKOV, S.A.; DIBNER, V.D.; ZAGORSKAYA, N.G.; SOKOLOV, V.N.; YEMOROVA,
I.S.; POLIKIN, Ya.I.; KIRYUSHINA, M.T.; FUNINOV, A.P.; YASHINA,
Z.I.; SAKS, V.N., red.: NIKITINA, V.N., red.izd-va; GUROVA, O.A.,
tekhn.red.

[Quaternary sediments in the Soviet Arctic] Chetvertichnye
otlozheniia Sovetskoi Arktiki. Moskva, Gos. nauchno-tekhn.
otlozheniia Sovetskoi Arktiki. Moskva, Gos. nauchno-tekhn.
otlozheniia Sovetskoi institut geologii Arktiki. Trudy,
Nauchno-issledovatel'skii institut geologii Arktiki. Trudy,
vol.91).

(Russia, Northern-Geology).



ATLASOV, L.P. and SOKOLOV, V.N.

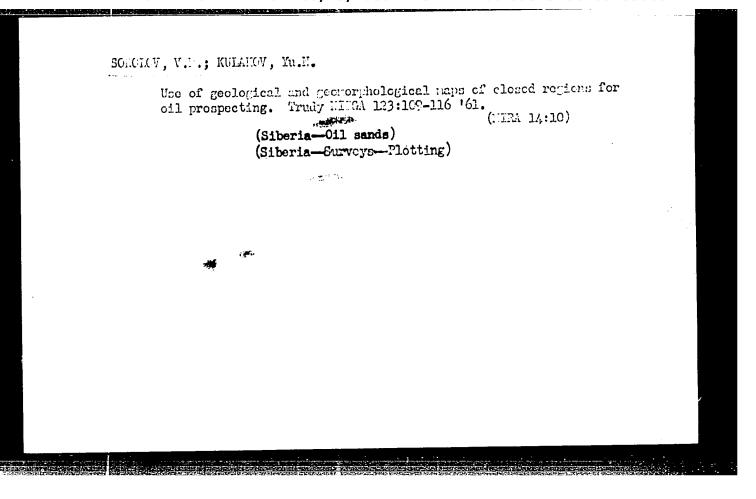
"Main Features of the Tectonic Development of the Central Soviet Arctic."

report presented at the First International Symposium on Arctic Geology, 11-13 Jan 60. Calgary, Canada.

SCKOLOV, Valentin Nikolayevich; SAKS, V.N., nauchnyy red.; SEGAL, Z.G., vedushchly red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Geology, and oil and gas potentials of the Arctic portion of the West Siberian Plain] Geologia i perspectivy neftegazonosnosti arkticheskoi chasti Zapadno-Sibirskoi nizmennosti. Leningrad. Gos. nauchn.-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry. Leningr.otd-nie, 1960. 153 p. (Leningrad.Nauchno-issledovatel'skii institut geologii Arktiki. Trudy. vol.100) (MIRA 13:2)

1. Chlen-korrespondent AN SSSR (for Saks).
(Russia, Northern--Petroleum geology)
(Russia, Northern--Gas, Natural--Geology)



DEDEYEV, V.A.; NALIVKIN, V.D.; SIMONENKO, T.N.; SOKOLOV, V.N.; SHABLINSKAYA

Structure of the Pre-Middle Jurassic basement of the West Siberian Plain in the light of new data. Sov. geol. 5 no.7:26-40 Jl '62. (MIRA 15:7)

1. Vsesoyuznyy neftyancy nauchno-issledovatel'skiy geologoraz-vedochnyy institut. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut i Nauchno-issledovatel'skiy institut geologii Arktiki.

(West Siberian Plain--Folds (Geology))

是是我们的一个人,我们就是我们的一个人,我们就是我们的人,他们就是这个人,我们就是这个人,我们就是这个人的,我们就是这个人,我们就是我们的人,我们就是这个人,他

GURARI, F.G.; KAZARINOV, V.P.; MIRONOV, Yu.K.; NALIVKIN, V.D.;

NESTEROV, I.I.; OSYKO, T.I.; ROVNIN, L.I.; ROSTOVTSEV,

N.N.; RUDKEVICH, M.Ya.; SIMONENKO, T.N.; SOKOLOV, V.N.;

TROFIMUK, A.A.; CHOCHIA, N.G.; ERV'YE, Yu.G.;

OMBYSH-KUZNETSOV, S.O., red.; LOKSHINA, O.A., tekhn.red.

[Geology and oil and gas potentials of the West Siberian Plain, a new tank farm of the U.S.S.R.] Geologiia i nefte-gazonosnost' Zapadno-Sibirskoi nizmennosti-novoi neftianoi bazy SSSR. Novosibirsk, Izd-vo Sibirskogo otd-niia, 1963. 199 p. (MIRA 17:1)

ATLASOV, I.P.; BAKAR, V.A.; BONDAREV, V.I.; SYAGAYEV, N.A.; SOKOLOV, V.N.; DIBNER, V.D.

Sketches of the tectonic structure of the central sector of the Soviet Arctic. Trudy NIIGA 135:3-69 163. (MIRA 18:5)

M.T. Sunderence on the geology of the Spitabergen archipelago. Sov. geol. 8 no.4s150-155 Ap '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.

NALIVKIN, V.D.; DEDEYEV, V.A.; IVANTSOVA, V.V.; KATS, Z.Ya.; KRUGLIKOV, N.M.;

LAZAREV, V.S.; SVFRCHKOV. G.P.; CHERNIKOV, K.A.; SHABLINSKAYA, N.V.;

Prinimal uchastiye: ZHABREV, I.P.; ROZANOV, L.N.; SOFRONITSKIY, P.A.;

KHAIN, V.Ye.; SIMONENKO, T.N.; SOKOLOV, V.N.; YAKOVLEV, O.N., gidrogeolog

[Comparative analysis of the oil and gas potential and the tactorics of the Wast Siberian and Turan-Scythian platform.] Sravnitel nyi analiz neltegazonosnosti i tektoniki Zapadno-Sibirskoi i Turano-Skiiskoi plit. Leningrad; Nedra, 1965. 322 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel skii geologorazvedochnyi institut. Trudy, no.236) (MIRA 18:6)

Preface. Trudy TSN	IGMA no.1:3-5 '50. chno-issledovatel'skiy gi		LRA 6:9) arkhiv.
1. Tentral hyy hau	GUUO-IBSIEGOAGGE STA PT	(Meteor	ology)
		Oscilla Agrica	
	1		

FEDOROV, Ye, Ya, professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.;

SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV,

N.N.; GAL'TSOV, A.P.; GRIGOR'YEY, A.A., akzdemik; EYGENSON, M.S.,

professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDANOV, P.N.; LEHEDEY,

A.N.: SOKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMA
NOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGEYM, G.Ya.;

SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.S.; ISAYEV, E.A.; DMITRIYEV,

A.A.; MALYUGIN, Ye.A.; LIEDEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPO
VA, L.R.; POKROVSKAYA, T.V.; RAGDASARYAN, A.B.; ORLOVA, V.V.; RU
BINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHER BAKOVA, Ye.Ya.;

BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.;

RUDNEVA, A.V.; RUDENKO, A.I.; ZOLOTAREY, M.A.; NERSESYAN, A.G.;

MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEVYATKOVA, A.M.;

ZAVARINA, M.V.; SHMETER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current state climatelogical research and methods of developing it]. Information of the current state climatelogical research and methods of developing it]. (MIRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya geofizicheskaya observatoriya im. A.I.Voeykova (for Predtechenskiy, Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubinsheyn, Budyko, Shcherbakova, Anapoliskaya, Dunayeva, Rudreva, Gavrilov, Zavarina). 3. Ukrainskiy nauchno-issledovateliskiy gidrometeorologicheskiy institut (for Buchinskiy). (Continued on next card)

FEDOROV, Ye.Ye., professor: PREDTECHENSKIY, P.P., and others.

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4. Vsesoyuznyy institut rastenievodstva (for Selyaninov, Rudenko). 5. Bioklimaticheskaya stantsiya Kislevedsk (for Boshne). 6. Moskerskiy gosudarstvennyy universitet im. M.V. Lomonosova (for Alisov). 7. Ministerstvo putey soobshcheniya SSSR (for Biryukov). 8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev). 9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Eygenson). 10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov). 11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov). 12. TSentral'nyy nauchno-iseledovatel'skiy gidremeteorologicheskiy arkhiv (for Sokelov, Zolotarev). 13. Gosudarstvennyy okeanograficheskiy institut (for Sameylenko). 14. TSentral'nyy institut prognozov (for Usmanov, Sapozhnikova). 15. Institut geografii Akademii nauk SSSR i TSentralityy institut kurortelogii (for Chubukay). 16. Nauchno-issledovatel skiy institut imeni Sechenova, Yalta (for Trotsenko). 17. Arktich-skij nauchne-issledovateliskiy institut (for Vangengeym).

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